

Method and apparatus for the treatment of solutions by reverse osmosis.

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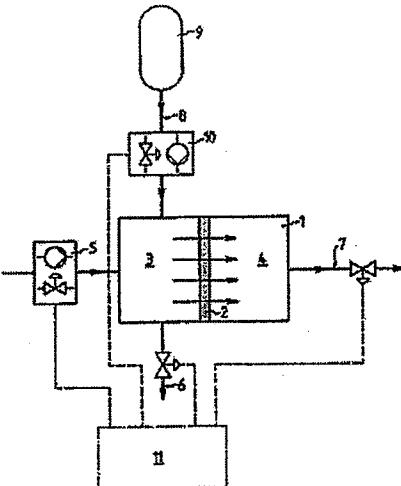
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Abstract of EP0126714

During the separation of a solution by reverse osmosis, precipitations and depositions of soluble materials arising on the side of the concentrated solution are allowed during a process phase of predetermined length, and the precipitates and deposits then present are largely redissolved in a flushing phase by flushing with a flushing solution. This method makes it possible to prevent a permanent deposition of such materials in the reverse osmosis elements, without having to use chemicals for this purpose. The apparatus for implementing this method includes a flushing line arrangement (8) for introducing the flushing solution during the flushing phase from a stock (9) into the chamber (3), receiving the solute-containing solution, of a reverse osmosis installation. A delivery and metering unit (10) is provided for metering the rate and pressure of the flushing solution. A control and regulation system (11) serves for activating the various delivery and control means and hence for switching over from one process phase to the particular flushing phase.



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